CARROLLTON CITY SCHOOLS

THE GOLD STANDARD

RFP FOR FIBER CABLING

CARROLLTON CITY SCHOOL DISTRICT

DUE DATE: **March 18, 2022**

BY TIME: **12:00 pm**

Due date is 12:000pm (noon), March 18, 2022. Bids may be emailed, or hardcopy. Bidder is solely responsible for delivery. Bids received after the bid date will not be accepted. Bids may be emailed to craig.george@carrolltoncityschools.net AND cc: jared.price@carrolltoncityschools.net or otherwise delivered to:

Carrollton City Schools
Attn: Craig George/Fiber RFP
106 Trojan Drive
Carrollton, GA 30117

Proposal submissions

1. Provide evidence of Service Provider Identification Number (SPIN), also known as the service provider's 498 ID.
2. Provide evidence of current Georgia State Low-Voltage Contractor License for Telecommunications (GA LV-T) in compliance with O.C.G.A. 43-14-8.1
3. Provide resume of BICSI certified RCDD member on staff who will be assigned as project manager as well as other key team members who will be involved with the project.
4. Provide evidence of current Corning Optical Communications Network of Preferred Installers Program (NPI) Membership.
5. Provide a verbose explanation of the implementation plan including timeline, individual responsibilities of team members, and considerations to minimize interruption of instruction and existing data network in schools.
6. Provide a detailed Bill of Materials (BOM) for the proposed fiber-optic system.
7. Provide a list of any deviations from the specifications in this RFP. Otherwise, the bidder will be responsible for strictly adhering to specifications in the RFP.
8. Provide references to comparable jobs recently performed including an overview of the scope of work, materials/procedures used, and customer's contact info for reference.

Proposals will be scored according to the following factors:

	Factor Weight
Price of the eligible products and services	30%
Matches specifications	25%
Implementation Plan	25%
Personnel qualifications/Management capability	15%
Local vendor	5%

Use of a brand name, trade name, make, model, manufacturer, or vendor catalog number in specifications is for the purpose of establishing a grade or quality of material only. It is not the intent to rule out other competition; therefore, the phrase “or equivalent” is added. However, if a product other than that specified is proposed, it is the vendor’s responsibility to submit with the proposal brochures, samples, and/or detailed specifications on items proposed. Carrollton City Schools shall be the sole judge concerning the merits of the submitted proposal.

Section 1 -- Warranty/Installer Qualifications

1.1 The successful bidder must have a Service Provider Identification Number (SPIN), also known as the service provider's 498 ID.

1.2 The successful bidder must have a current Georgia State Low-Voltage Contractor License for Telecommunications (GA LV-T) in compliance with O.C.G.A. 43-14-8.1

1.3 The successful bidder must have a current BICSI certified RCDD member on staff who will be assigned to oversee all design, implementation, as well as final testing and quality assurance.

1.4 The successful bidder must be a Corning Optical Communications Network of Preferred Installers Program (NPI) Member and must provide written warranty certification and evidence of current NPI program membership.

1.6 The successful bidder shall warrant that all materials and equipment furnished under the contract are in good working order, free from defects, and in conformance with system specifications. All installed equipment must conform to the manufacturer’s official published specifications. The successful Bidder shall agree to repair, adjust and/or replace (as determined by the Purchaser to be in its best interest) any defective equipment, materials, or other parts of the system at the successful Bidder’s sole cost. All third-party warranties shall be passed through from Bidder to Purchaser.

1.7 The successful bidder shall warrant and supply evidence that the installation of materials and hardware will be made in strict compliance with all applicable provisions of the National Electric Code, the rules and regulations of the Federal Communications Commission, and state and/or local codes or ordinances that may apply.

1.8 The successful bidder shall warrant that the system will function as specified in the manufacturer’s Technical Description Guide.

Section 2 -- Scope of Work

2.1 Install on-premise fiber optic cabling solution using approved materials (See Section 3 “Approved Materials”) for connectivity between data closets that meets or exceeds IEEE 802.3 standards for 10Gbase-SR for multimode connections.

2.2. Fiber Run #1 to be pulled from the existing pressbox IDF through the existing conduit underneath the football field to a new IDF in the visitor’s concession. Fiber Run #2 to be pulled from the new IDF in the visitor’s concession to the visitor’s ticket booth. Fiber Run #3 to be pulled from the existing pressbox IDF to the home concession. See drawings at the end of this document for each fiber run.

2.3 Installer must test and certify solution to guarantee performance connections as described in Section 4 “Final Testing.”

Section 3 -- Approved Materials

3.1 The cable-type shall be Corning ALTOS® Lite Loose Tube OM3 006TUC-T4180D20 or equivalent direct burial rated cable.

3.2 Enclosures: Pressbox – Provide CCH-01U to be installed in the existing Pressbox IDF cabinet. All other locations – provide and install 4' x 4' x ¾" plywood backboard and WCH-02P wall-mountable enclosure.

3.3 Termination at all locations will be the installer’s choice of Corning epoxy/polish, unicam, fusion-splice pigtail, or cassette. Detailed BOM and installation methods must be described on the submittal.

Section 4 -- Final Testing and Documentation

4.1 All cabling, which is terminated by the contractor, shall be tested to applicable EIA/TIA Standards.

4.2 The insertion loss for each mated fiber-optic connector pair shall be ≤ 0.75dB. Mated connector pair loss testing shall be based on two (bidirectional) OTDR inspections in accordance with the OTDR operating manual.

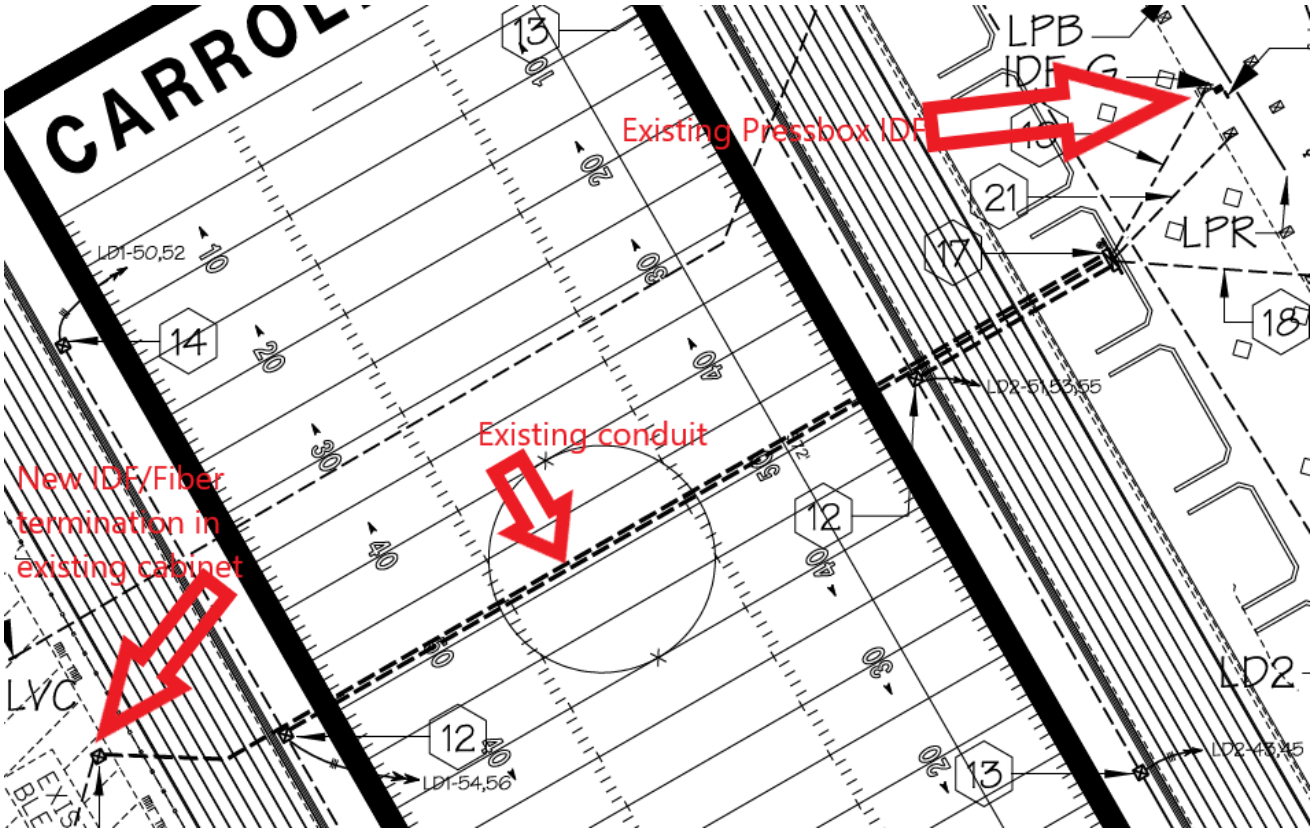
4.3 In addition to connector insertion loss for each mated pair, the contractor shall perform end-to-end insertion loss testing for each multimode fiber at 850 nm and 1300 nm from both directions for each terminated fiber in accordance with EIA/TIA-526-14A (OFSTP 14).

4.4 Inspect each terminated multimode fiber span for continuity and anomalies with an OTDR at 850nm and 1300nm from each direction in accordance with the OTDR operating manual.

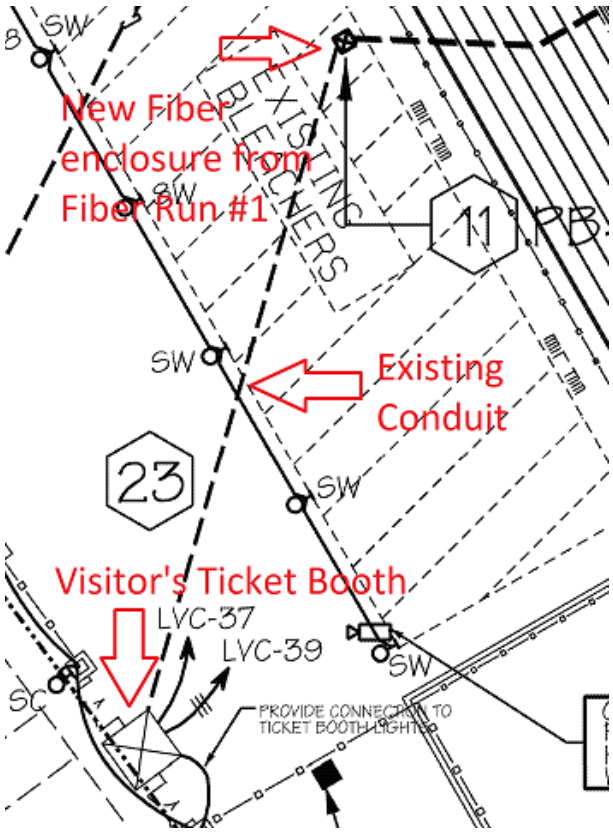
4.5 The contractor shall provide the customer with one hard copy and one electronic copy of final test results and other documentation, including:

- End-to-End Insertion Loss Data
- Individual Splice Loss Data
- “As Installed” Diagram
- OTDR Traces
- Connector Insertion Loss Data

Fiber Run #1:



Fiber Run #2:



Fiber Run #3: